

SAUGET AREA 2
ILD000605790

Reference No. 21

Rollins Environmental Services II, INC.
One Rollins Plaza, P.O. Box 2319, Wilmington, Delaware 19895
(302) 429-2768

150789



Rollins

Augsuts 27, 1985

Mr. Warren L. Smull
Gen. Supt. Environmental Affairs
Monsanto Industrial Chemicals Co.,
W. G. Krummrich Plant
Sauget, IL 62201

Dear Warren,

Enclosed is a copy of our Health and Safety program for the NCB
Drum site on the Krummrich Plant site. I am also enclosing a
copy of this program for Ken Storms.

Please do not hesitate to contact me if you have any questions.

Yours truly,

Paul A. B. Thomas
Director, Health and Safety

PABT:jhm
0078t
Enclosures

cc: Kenneth E. Storms

MONSANTO INDUSTRIAL CHEMICAL COMPANY
SITE SPECIFIC
HEALTH AND SAFETY PLAN

5/27/85

SITE: W. G. Krummrich Plant PROJECT NO. 116-85
Location: Sauget, Illinois Region: Mid-West
Client Contact: Warren L. Smull Phone No: 618-271-5835
Plan Prepared by: Paul A. B. Thomas Date: 7/22/85

Objective(s): Removal, repacking, transportation and disposal of an estimated 4,500 55-gallon drums of mono and dinitro chlorobenzenes and 500 80-gallon drums of nitrated biphenyls.

Proposed Date of August 1, 1985 through November 30, 1985

Background Review is: Complete X Preliminary

Overall Hazard is: High: X Moderate:
Low: Unknown:

SITE DESCRIPTION: The site consists of a 42 ft. x 248 ft. x 20 ft. drum storage/disposal/trench which was covered with soil and abandoned about 1946. The uncovering and removal of the drums and the restoration of the area will include the following tasks:

1. Mobilize equipment/manpower, thoroughly clean all equipment prior to use, and set up the site for operation and safety.
2. Remove and store the railroad tracks presently crossing the trench.
3. Uncover and exhume the buried drums, any visibly contaminated soil plus any additional soil as directed by Monsanto.
4. Stage drums at predesignated, preconstructed staging area for testing and segregating as necessary.
5. Open each drum, remove the contents and repackage the waste for transporting and incineration.
6. Crush the emptied drums in preparation for transporting and disposal.
7. Package visibly contaminated soil in fiber packs suitable for transporting and incineration; stockpile additional potentially contaminated soil as directed by Monsanto.
8. Backfill the excavated trench with compacted, nonselect fill dirt to 2 ft. below grade, backfill remaining 2 ft. with compacted clay.
9. Hydromulch or seed all disturbed areas.
10. Restore the railroad tracks to original condition.
11. Decontaminate all equipment and demobilize.

REVIEW AND APPROVALS

Project Manager: Frank Gorry

Date

Health Safety Manager: Paul A. B. Thomas

Date

List known substances on the site

<u>1. Substance</u>	<u>2. Form</u>	<u>3. Toxicity</u>	<u>Amount*</u>	<u>Unit</u>
	Solid Liquid Vapor	High Med. Low None		
Mono nitrochlorobenzenes)			(0-5%)	
and)	X	X	4,500 drums()
Di nitrochlorobenzenes)			(95-100%)	
Mono nitrobiphenyls **)			(65%)	
Biphenyl)	X	X	500 drums(21%)
Unknown)			(14%)	

* See attached "Drum Analysis"

** Including 4-Nitrobiphenyl, an OSHA listed carcinogen.

WASTES TYPES: Liquid: M.pt. 95°F Solid: 5,000 drums
Sludge: Gas:

CHARACTERISTICS: Corrosive _____ Flammable _____ Radioactive _____
Toxic X Volatile _____ Reactive _____ Inert _____

HAZARD ASSESSMENT

(See attached data sheets.)

Nitrochlorobenzenes may be absorbed through the skin, by inhalation, or ingestion; they affect the ability of blood to carry oxygen by forming methemoglobinemia. A bluish discoloration of the skin (starting with the lips) may occur with headache, irritability, dizziness, weakness, nausea, vomiting, shortness of breath, drowsiness, and unconsciousness. The onset of symptoms may be delayed; alcohol may increase susceptibility.

4-Nitrobiphenol is an OSHA listed carcinogen known to cause bladder cancer in humans.

MONSANTO, SAUGET SITE

Proposed Work Area

